



Level 3 NVQ Diploma in Cladding Occupations (Construction)

Qualification Specification

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Introduction

The aim of this qualification is to recognise the knowledge, skills and competence of individuals who work in this specialised area of the construction industry. This qualification enables learners to gain recognition for their skills and the potential to take on more responsibility in the workplace.

The awarding organisation for this qualification is ProQual Awarding Body and the regulatory body is the Office of Qualifications and Examinations Regulation (Ofqual). The specification for these qualifications has been approved by the Welsh Government for use by centres in Wales and by the Council for the Curriculum Examinations and Assessment (CCEA) for use by centres in Northern Ireland.

This qualification has been accredited onto the Regulated Qualifications Framework (RQF).

Qualification Profile

Qualification title	ProQual Level 3 NVQ Diploma in Cladding Occupations (Construction)
Ofqual qualification number	603/2003/5
Level	Level 3
Guided learning hours	454
Total Qualification Time	1040
Assessment	Pass or fail Internally assessed and verified by centre staff External quality assurance by ProQual verifiers
Qualification start date	26/6/17
Qualification end date	

Entry Requirements

There are no formal entry requirements for this qualification.

Centres should carry out an **initial assessment** of candidate skills and knowledge to identify any gaps and help plan the assessment.

Qualification Structure

Candidates must complete the Mandatory and Optional unit requirements from one of the Pathways.

Pathway 1 – Roof and Wall Sheeting and Cladding

Pathway 2 – Rainscreen Wall Cladding Systems

Pathway 1 – Roof and Wall Sheeting and Cladding

Candidates must complete 8 Mandatory units plus 1 Optional unit

Mandatory Units – complete all units			
Unit Reference Number	Unit Title	Unit Level	GLH
A/503/2772	Confirming work activities and resources for an occupational work area in the workplace	3	33
M/503/2915	Developing and maintaining good occupational working relationships in the workplace	5	27
R/503/2924	Confirming the occupational method of work in the workplace	3	37
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	7
A/616/1704	Preparing resources for the installation of sheeting and cladding materials on roofs and walls in the workplace	2	60
F/616/1705	Installing sheeting and cladding systems on roofs and walls in the workplace	2	67
J/616/1706	installing sheeting and cladding rainwater goods on roofs and walls in the workplace	3	43
H/615/9218	Installing sheeting and cladding systems to curved and complex roof and wall formations in the workplace	2	147
Optional Units – complete ONE unit			
Unit Reference Number	Unit Title	Unit Level	GLH
K/615/9219	Refurbishing sheeting and cladding on roofs, walls or rainscreen systems in the workplace	2	73
D/615/9220	Repairing sheeting and cladding systems (including rainscreen) in the workplace	2	67
H/615/2186	Installing solar collectors to roofs in the workplace	2	20
A/508/6508	Preparing and operating scissor-type mobile elevating work platforms (MEWP) in the workplace	2	40
F/508/6509	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace	2	47
K/508/6536	Setting out secondary dimensional work control in the workplace	2	23
A/508/6525	Slinging and hand signalling the movement of suspended loads in the workplace	2	33

Pathway 2 – Rainscreen Wall Cladding Systems

Candidates must complete 6 Mandatory units, plus 3 Optional units

Mandatory Units – complete all units			
Unit Reference Number	Unit Title	Unit Level	GLH
A/503/2772	Confirming work activities and resources for an occupational work area in the workplace	3	33
M/503/2915	Developing and maintaining good occupational working relationships in the workplace	5	27
R/503/2924	Confirming the occupational method of work in the workplace	3	37
M/508/6537	Conforming to general health, safety and welfare in the workplace	1	7
L/616/1707	Preparing backing walls to receive rainscreen wall cladding systems in the workplace	3	67
R/616/1708	Installing rainscreen wall cladding systems in the workplace	3	83
Optional Units – complete THREE units			
Unit Reference Number	Unit Title	Unit Level	GLH
K/615/9219	Refurbishing sheeting and cladding on roofs, walls or rainscreen systems in the workplace	2	73
D/615/9220	Repairing sheeting and cladding systems on roofs and walls (including rainscreen) in the workplace	2	67
A/508/6489	Preparing and operating ergonomic manipulating machines to lift and transfer loads in the workplace	2	37
A/508/6508	Preparing and operating scissor-type mobile elevating work platforms (MEWP) in the workplace	2	40
F/508/6509	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace	2	47
K/508/6536	Setting out secondary dimensional work control in the workplace	2	23
A/508/6525	Slinging and hand signalling the movement of suspended loads in the workplace	2	33

Centre Requirements

Centres must be approved to offer this qualification. If your centre is not approved please complete and submit form **ProQual Additional Qualification Approval Application**.

Staff

Staff delivering this qualification must be appropriately qualified and occupationally competent.

Assessors/Internal Quality Assurance

For each competence-based unit centres must be able to provide at least one assessor and one internal quality assurance verifier who are suitably qualified for the specific occupational area. Assessors and internal quality assurance verifiers for competence-based units or qualifications will normally need to hold appropriate assessor or verifier qualifications, such as:

- Award in Assessing Competence in the Work Environment
- Award in Assessing Vocationally Related Achievement
- Certificate in Assessing Vocational Achievement
- Award in the Internal Quality Assurance of Assessment Processes and Practices
- Certificate in Leading the Internal Quality Assurance of Assessment Processes and Practices

Support for Candidates

Materials produced by centres to support candidates should:

- enable them to track their achievements as they progress through the learning outcomes and assessment criteria;
- provide information on where ProQual's policies and procedures can be viewed;
- provide a means of enabling Internal and External Quality Assurance staff to authenticate evidence

Assessment

Candidates must demonstrate the level of knowledge described in the unit. Assessment is the process of measuring a candidate's knowledge and understanding against the standards set in the qualification.

Assessment guidance is included to assure consistency.

Each candidate is required to produce evidence which demonstrates their achievement of all of the learning outcomes and assessment criteria for each unit.

Evidence can include:

- assignments/projects/reports
- worksheets
- portfolio of evidence
- record of oral and/or written questioning
- candidate test papers

Learning outcomes set out what a candidate is expected to know, understand or be able to do.

Assessment criteria specify the standard a candidate must meet to show the learning outcome has been achieved.

Learning outcomes and assessment criteria for this qualification can be found from page 9.

Internal Quality Assurance

An internal quality assurance verifier confirms that assessment decisions made in centres are made by competent and qualified assessors, that they are the result of sound and fair assessment practice and that they are recorded accurately and appropriately.

Adjustments to Assessment

Adjustments to standard assessment arrangements are made on the individual needs of candidates. ProQual's Reasonable Adjustments Policy and Special Consideration Policy sets out the steps to follow when implementing reasonable adjustments and special considerations and the service that ProQual provides for some of these arrangements.

Centres should contact ProQual for further information or queries about the contents of the policy.

Results Enquiries and Appeals

All enquiries relating to assessment or other decisions should be dealt with by centres, with reference to ProQual's Enquiries and Appeals Procedures.

Certification

Candidates who achieve the requirements for qualifications will be awarded:

- A certificate listing the units achieved, and
- A certificate giving the full qualification title -

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Claiming certificates

Centres may claim certificates for candidates who have been registered with ProQual and who have successfully meet the requirements for a qualification. All certificates will be issued to the centre for successful candidates.

Replacement certificates

If a replacement certificate is required a request must be made to ProQual in writing. Replacement certificates are labelled as such and are only provided when the claim has been authenticated. Refer to the Fee Schedule for details of charges for replacement certificates.

Title:	Confirming Work Activities and Resources for an Occupational Work Area in the Workplace	
Unit Number:	A/503/2772	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Identify work activities, assess required resources and plan the sequence of work.	1.1	Identify work activities, assess required resources and plan the sequence of work.
	1.2	Identify work activities and formulate a plan for their own sequence of work.
	1.3	Explain the types of work relative to the occupational area and how to identify different work activities.
	1.4	Explain methods of assessing the resources needed from a range of available information.
	1.5	Explain the required information and the different methods used to prepare a work programme relative to the occupational area.
2 Obtain clarification and advice where the resources required are not available.	2.1	Seek advice and clarity from appropriate sources on resources available and the alternatives that can be used for the work when required resources are not available.
	2.2	Explain the different sources and methods that can be used to obtain clarification and advice when the required resources are not available.
3 Evaluate the work activities and the requirements of any significant external factors against the project requirements.	3.1	Assess progress of work against project requirements, taking into account external factors relating to: <ul style="list-style-type: none"> – other occupations and /or customers – resources – weather conditions – health and safety requirements.
	3.2	Explain different methods of evaluating work activities against the following project requirements: <ul style="list-style-type: none"> – contract conditions – contract programme – health and safety requirements of operatives.
	3.3	Evaluate the requirements of significant external factors that could affect the progress of work, in relation to: <ul style="list-style-type: none"> – other related programmes – special working conditions – weather conditions – other occupations/people – resources – health and safety requirements.

Title:	Confirming Work Activities and Resources for an Occupational Work Area in the Workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Identify work activities which influence each other and make the best use of the resources available.	4.1	Determine work activities that have an influence on each other.
	4.2	Evaluate which work activities make the best use of available resources in relation to: <ul style="list-style-type: none"> – occupations and/or customers associated with the work – tools, plant and/or ancillary equipment – materials and components.
	4.3	Explain different methods and sources that can identify which work activities influence each other.
	4.4	Describe how to determine the sequence of work activities and how long each work activity will take.
	4.5	Describe what zero and low carbon requirements are.
	4.6	Explain how work activities and different ways of using resources can impact on zero and low carbon requirements, and make a positive contribution to the environment.
5 Identify changed circumstances that require alterations to the work programme and justify them to decision makers.	5.1	Evaluate project progress against the work programme to identify any changed circumstances.
	5.2	Inform line management and/or customers on the type and extent of any required changes to the work programme.
	5.3	Explain how to identify possible alterations to the work programme to meet changed circumstances relating to action lists, method statements, duration, schedules and/or occupation specific requirements.
	5.4	Explain how to assess contractual/work effects resulting from alterations to the work programme.
	5.5	Explain the methods used to justify to decision makers on the effects resulting from alterations to the work programme.

Title:	Confirming Work Activities and Resources for an Occupational Work Area in the Workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Area	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	33

Title:	Developing and Maintaining Good Occupational Working Relationships in the Workplace	
Unit Number:	M/503/2915	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Develop, maintain and encourage working relationships to promote good will and trust.	1.1	Give appropriate advice and information to relevant people about the occupational work activities and/or associated occupations involved.
	1.2	Apply the principles of equality and diversity by considering the needs of individuals when working and communicating with others.
	1.3	Explain the methods and techniques used and personal attributes required to encourage and maintain working relationships that promote goodwill and trust with relevant people.
	1.4	Explain the principles of equality and diversity and how to apply them when working and communicating with others.
2 Inform relevant people about work activities in an appropriate level of detail, with the appropriate level of urgency.	2.1	Communicate on the following work activity information to relevant people following organisational procedures: <ul style="list-style-type: none"> – appropriate timescales – health and safety requirements – co-ordination of work procedures.
	2.2	Explain the different methods and techniques used to inform relevant people about work activities.
	2.3	Explain the effects of not informing relevant people with the expected level of urgency.
	2.4	Explain the different types of work activity related information and to what level of detail the following people would expect to receive: <ul style="list-style-type: none"> – colleagues – employers – customers – contractors – suppliers of products and services – other people affected by the work/project.

Title:	Developing and Maintaining Good Occupational Working Relationships in the Workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Offer advice and help to relevant people about work activities and encourage questions/requests for clarification and comments.	3.1	Give appropriate advice and information to relevant people about the different methods of carrying out occupational work activities to achieve the required outcome.
	3.2	Explain the techniques of encouraging questions and/or requests for clarification and comments.
	3.3	Explain the different ways of offering advice and help to different people about work activities, in relation to: <ul style="list-style-type: none"> – progress – results – achievements – occupational problems – occupational opportunities – health and safety requirements – co-ordinated work.
4 Clarify proposals with relevant people and discuss alternative suggestions.	4.1	Engage regular discussions with relevant people about the occupational work activity and/or other occupations involved.
	4.2	Explain the methods of clarifying alternative proposals with relevant people.
	4.3	Explain the methods of suggesting alternative proposals.
5 Resolve differences of opinion in ways that minimise offence and maintain goodwill, trust and respect.	5.1	Examine and agree the work activities that satisfy all people involved and will meet the required outcome of the proposed method of work.
	5.2	Explain the methods and techniques used to resolve differences of opinion in ways which minimise offence and maintain goodwill, trust and respect.

Title:	Developing and Maintaining Good Occupational Working Relationships in the Workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Areas	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	27

Title:	Confirming the Occupational Method of Work in the Workplace	
Unit Number:	R/503/2924	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Assess available project data accurately to determine the occupational method of work.	1.1	Interpret and extract information from drawings, specifications, schedules, manufacturer's information, methods of work, risk assessments and programmes of work.
	1.2	Explain how to summarise the following project data: <ul style="list-style-type: none"> – required quantities – specifications – detailed drawings – health and safety requirements – timescales – scope of works.
	1.3	Explain the different methods of assessing available project data.
	1.4	Explain how to use project data to interpret the work method, In relation to: <ul style="list-style-type: none"> – standard work procedures – sequence of work – organisation of resources (people, equipment, materials) – work techniques – working conditions (health, safety and welfare) – risk assessment.
2 Obtain additional information from alternative sources in cases where the available project data is insufficient.	2.1	Collect and collate additional information from alternative sources to clarify the work to be carried out.
	2.2	Explain different methods and techniques of obtaining additional information from the following alternative sources when available project data is insufficient: <ul style="list-style-type: none"> – customers or representatives – suppliers – regulatory authorities – manufacturer's literature.

Title:	
Confirming the Occupational Method of Work in the Workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
3 Identify work methods that will make best use of resources and meet project, statutory and contractual requirements.	3.1 Examine potential work methods to carry out the occupational work activity.
	3.2 Determine which work methods will make best use of relevant resources and meet health and safety requirements relating to technical and/or project criteria.
	3.3 Explain how to identify work methods that make best use of resources and meet project, statutory and contractual requirements against technical criteria, in relation to: <ul style="list-style-type: none"> – health and safety welfare (principles of protection) – fire protection – access and egress – equipment availability – availability of competent workforce – pollution risk – waste and disposal – zero and low carbon outcomes – weather conditions.
	3.4 Explain how to identify work methods that make best use of resources and meet project, statutory and contractual requirements against project criteria, in relation to: <ul style="list-style-type: none"> – conforming to statutory requirements – customer and user needs – contract requirements in terms of time, quantity and quality – environmental considerations.
	3.5 Explain how different methods of work can achieve zero/low carbon outcomes.
4 Confirm and communicate the selected work method to relevant personnel.	4.1 Confirm the selected occupational work method that meets project, statutory and contractual requirements.
	4.2 Communicate appropriately to relevant people on the selected occupational work method.
	4.3 Describe the different techniques and methods of confirming and communicating work methods to relevant people.
	4.4 Explain the principles of equality and diversity and how to apply them when working and communicating with others.

Title:	Confirming the Occupational Method of Work in the Workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Areas	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	37

Title:	Conforming to general health, safety and welfare in the workplace.	
Unit Number:	M/508/6537	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Comply with all workplace health, safety and welfare legislation requirements.	1.1	Comply with information from workplace inductions and any health, safety and welfare briefings attended relevant to the occupational area.
	1.2	Use health and safety control equipment safely to carry out the activity in accordance with legislation and organisational requirements.
	1.3	Comply with statutory requirements, safety notices and warning notices displayed within the workplace and/or on equipment.
	1.4	State why and when health and safety control equipment, identified by the principles of protection, should be used relating to types, purpose and limitations of each type, the work situation, occupational use and the general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	1.5	State how the health and safety control equipment relevant to the work should be used in accordance with the given instructions.
	1.6	State which types of health, safety and welfare legislation, notices and warning signs are relevant to the occupational area and associated equipment.
	1.7	State why health, safety and welfare legislation, notices and warning signs are relevant to the occupational area.
	1.8	State how to comply with control measures that have been identified by risk assessments and safe systems of work.
2 Recognise hazards associated with the workplace that have not been previously controlled and report them in accordance with organisational procedures.	2.1	Report any hazards created by changing circumstances within the workplace in accordance with organisational procedures.
	2.2	List typical hazards associated with the work environment and occupational area in relation to resources, substances, asbestos, equipment, obstructions, storage, services and work activities.
	2.3	List the current Health and Safety Executive top ten safety risks.

Title:	Conforming to general health, safety and welfare in the workplace.	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
2 continued	2.4	List the current Health and Safety Executive top five health risks.
	2.5	State how changing circumstances within the workplace could cause hazards.
	2.6	State the methods used for reporting changed circumstances, hazards and incidents in the workplace.
3 Comply with organisational policies and procedures to contribute to health, safety and welfare.	3.1	Interpret and comply with given instructions to maintain safe systems of work and quality working practices.
	3.2	Contribute to discussions by offering/providing feedback relating to health, safety and welfare.
	3.3	Contribute to the maintenance of workplace welfare facilities in accordance with workplace welfare procedures.
	3.4	Safely store health and safety control equipment in accordance with given instructions.
	3.5	Dispose of waste and/or consumable items in accordance with legislation.
	3.6	State the organisational policies and procedures for health, safety and welfare, in relation to: <ul style="list-style-type: none"> – dealing with accidents and emergencies associated with the work and environment – methods of receiving or sourcing information – reporting – stopping work – evacuation – fire risks and safe exit procedures – consultation and feedback.
	3.7	State the appropriate types of fire extinguishers relevant to the work.
	3.8	State how and when the different types of fire extinguishers are used in accordance with legislation and official guidance.

Title:	Conforming to general health, safety and welfare in the workplace.	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Work responsibly to contribute to workplace health, safety and welfare whilst carrying out work in the relevant occupational area.	4.1	Demonstrate behaviour which shows personal responsibility for general workplace health, safety and welfare.
	4.2	State how personal behaviour demonstrates responsibility for general workplace health, safety and welfare, in relation to: <ul style="list-style-type: none"> – recognising when to stop work in the face of serious and imminent danger to self and/or others – contributing to discussions and providing feedback – reporting changed circumstances and incidents in the workplace – complying with the environmental requirements of the workplace.
	4.3	Give examples of how the behaviour and actions of individuals could affect others within the workplace.
5 Comply with and support all organisational security arrangements and approved procedures.	5.1	Provide appropriate support for security arrangements in accordance with approved procedures: <ul style="list-style-type: none"> – during the working day – on completion of the day's work – for unauthorised personnel (other operatives and the general public) – for theft.
	5.2	State how security arrangements are implemented in relation to the workplace, the general public, site personnel and resources.

Title:	Conforming to general health, safety and welfare in the workplace.
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Area	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	7

Title:	Preparing resources for the installation of sheeting and cladding materials on roofs and walls in the workplace	
Unit Number:	A/616/1704	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when preparing resources for the installation of sheeting and cladding materials on roofs and walls.	1.1	Interpret and extract relevant information from drawings, specifications, schedules method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, oral and written procedures, site inductions, current regulations governing buildings and official guidance associated with preparing resources for the installation of sheeting and cladding.
2 Know how to comply with relevant legislation and official guidance when preparing resources for the installation of sheeting and cladding materials on roofs and walls.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials, by manual handling and mechanical lifting and with mechanical access equipment.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when preparing resources for the installation of sheeting and cladding materials on roofs and walls.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with legislation and organisational requirements when preparing resources for the installation of sheeting and cladding materials on roofs and walls.

Title:	Preparing resources for the installation of sheeting and cladding materials on roofs and walls in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Continued	3.2 Demonstrate compliance with given information and relevant legislation when preparing resources for the installation of sheeting and cladding materials on roofs and walls in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health 	
	3.3 Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to preparing resources for the installation of sheeting and cladding materials on roofs and walls, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) 	
	3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.	
	3.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, falls, rescue procedures and other task-related activities.	
4 Select the required quantity and quality of resources for the methods of work to prepare resources for the installation of sheeting and cladding materials on roofs and walls.	4.1 Select resources associated with own work in relation to materials, components, fixings, tools and equipment	
	4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – fixings and fasteners, flashings, fittings, halters, spacer systems – insulation, vapour control, separation and breather membranes, – sealants and fillers. – metal and translucent sheets, built up, standing seam, secret fix, composite panels, rainscreen cladding panels, decking panels and fibre cement systems – hand tools, portable power tools and equipment. 	

Title:	Preparing resources for the installation of sheeting and cladding materials on roofs and walls in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	4.3	Describe how the resources should be used correctly, how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe the methods of calculating quantity, length, area and wastage associated with the method and procedure to prepare sheeting and cladding materials and resources for installation on roofs and walls.
5 Minimise the risk of damage to the work and surrounding area when preparing resources for the installation of sheeting and cladding materials on roofs and walls.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Prevent damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when preparing resources for the installation of sheeting and cladding materials on roofs and walls.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Title:	Preparing resources for the installation of sheeting and cladding materials on roofs and walls in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Comply with the given contract information to prepare resources for the installation of sheeting and cladding materials on roofs and walls.	7.1	Demonstrate the following work skills when preparing resources for the installation of sheeting and cladding materials on roofs and walls: – identifying, checking, measuring, marking out, cutting, preparing and positioning.
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment.
	7.3	Prepare resources for installation, to include sheeting and cladding materials, fixings, flashings, roof and wall components, and ancillary equipment to given working instructions for one of the following systems: – built-up – standing seam – secret fix – composite panel – fibre-cement – rainscreen cladding
	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – identify installation quality requirements – conform to agreed specification – confirm manufacturers' installation criteria – check resources for type, quantity and damage and report discrepancies – deal with damaged and incorrect roof and wall sheeting and cladding materials and resources – identify types and characteristics of cladding sheets including; single skin, sinusoidal (corrugated), trapezoidal (box) and fibre cement profiles, twin or double skin insulated systems, composite panel (sandwich panel) systems, decking, structural decking and rainscreen products – identify parts of roof and wall cladding sheets including; top and bottom flanges, crown, web, trough or pan

Title:	Preparing resources for the installation of sheeting and cladding materials on roofs and walls in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.4 contd	<ul style="list-style-type: none"> – identify types, characteristics and applications of cladding products and systems including: built-up, standing seam, secret fix, composite panel, fibre cement, rainscreen cladding products – recognise the differences between sheeting and cladding profiles for walls and roofs – measure, mark out and cut sheeting and cladding – adjust and position fixings, halters, spacers, clips and fittings – identify, recognise and work to gridlines and datum marks – prepare, align and position resources ready to install: built-up, standing seam, secret fix, composite panel, fibre cement and rainscreen cladding – check quality and suitability of work on completion and at the end of each working period – recognise and determine when additional specialist skills and knowledge are required and report accordingly – work from mobile elevating work platforms – work with, around and in close proximity to plant and machinery – use hand tools, portable power tools and equipment – work at height – use access equipment.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when preparing resources for the installation of sheeting and cladding materials on roofs and walls.
	7.6	Describe how and when to maintain the tools and equipment used when preparing resources for the installation of sheeting and cladding materials on roofs and walls.

Title:	Preparing resources for the installation of sheeting and cladding materials on roofs and walls in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills 'Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure.</p> <p>ProQual Level 3 NVQ Diploma in Cladding Occupations (Construction):</p> <p>One of the following endorsements required:</p> <ul style="list-style-type: none"> Built up systems Standing seam systems Secret fix systems Composite panel systems Fibre-cement systems Rainscreen cladding systems
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	60

Title:	Installing sheeting and cladding systems on roofs and walls in the workplace	
Unit Number:	F/616/1705	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing sheeting and cladding systems on roofs and walls.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, oral and written procedures, site inductions, current regulations governing buildings and official guidance associated with the installation of sheeting and cladding systems.
2 Know how to comply with relevant legislation and official guidance when installing sheeting and cladding systems on roofs and walls.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials, by manual handling and mechanical lifting and with mechanical access equipment.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making report.
3 Maintain safe and healthy working practices when installing sheeting and cladding systems on roofs and walls.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing sheeting and cladding systems on roofs and walls.

Title:	Installing sheeting and cladding systems on roofs and walls in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Continued	3.2 Demonstrate compliance with given information and relevant legislation when installing sheeting and cladding systems on roofs and walls in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health 	
	3.3 Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to installing sheeting and cladding systems on roofs and walls, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) 	
	3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.	
	3.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, falls, rescue procedures and other task-related activities.	
4 Select the required quantity and quality of resources for the methods of work to install sheeting and cladding systems on roofs and walls.	4.1 Select resources associated with own work in relation to materials, components, fixings, tools and equipment.	
	4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – fixings, fasteners, flashings, fittings, halters, spacer systems and clips, – insulation, vapour control, separation and breather membranes – sealants and fillers – metal and translucent sheets, built up, standing seam, secret fix, composite panels, decking panels and fibre cement systems – hand tools, portable power tools and equipment. 	

Title:	Installing sheeting and cladding systems on roofs and walls in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and method of work.
	4.6	Describe the methods of calculating quantity, length, area and wastage associated with the method and procedure to install sheeting and cladding systems on roofs and walls.
5 Minimise the risk of damage to the work and surrounding area when installing sheeting and cladding systems on roofs and walls.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Prevent damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when installing sheeting and cladding systems on roofs and walls.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Title:	Installing sheeting and cladding systems on roofs and walls in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
<p>7 Comply with the given contract information to install sheeting and cladding systems on roofs and walls to the required specification.</p>	7.1	Demonstrate the following work skills when installing sheeting and cladding systems on roofs and walls: <ul style="list-style-type: none"> – measuring, setting out, adjusting, aligning, levelling plumb, fitting, fixing and finishing.
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment.
	7.3	Install sheeting and cladding materials to roofs and walls, to include flashings, openings, vents, up-stands, protrusions and penetrations to given working instructions for one of the following systems: <ul style="list-style-type: none"> – built-up – standing seam – secret fix – composite panel – fibre-cement
	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> – identify installation quality requirements – conform to agreed specifications – conform to manufacturers’ installation criteria – identify, recognise and work to gridlines and datum marks – position and secure fixings, halters, spacers, clips, fittings and sheets – deal with damaged and incorrect sheeting, cladding materials and resources – install built up, standing seam, secret fix, composite panels and fibre cement systems – install decking and structural panels – maintain the integrity of surfaces, backgrounds, sheets and panels – position and secure vents – install insulation – measure, cut, fit, shape and fix flashing materials

Title:	Installing sheeting and cladding systems on roofs and walls in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.4 contd	<ul style="list-style-type: none"> – install translucent sheets, condensation and vapour control materials – form and shape components for openings, vents, up-stands, protrusions and penetrations – ensure the integrity of joints, overlaps and interface details – apply sealants and install fillers to ensure water and airtight seals – check quality and suitability of work on completion and at the end of each working period – recognise and determine when additional specialist skills and knowledge are required and report accordingly – work from mobile elevating work platforms – work with, around and in close proximity to plant and machinery – use hand tools, portable power tools and equipment – work at height – use access equipment.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when installing sheeting and cladding systems on roofs and walls.
	7.6	Describe how and when to maintain the tools and equipment used when installing sheeting and cladding systems on roofs and walls.

Title:	Installing sheeting and cladding systems on roofs and walls in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills 'Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure.</p> <p>ProQual Level 3 NVQ Diploma in Cladding Operations (Construction):</p> <p>One of the following endorsements required: Built up systems Standing seam systems Secret fix systems Composite panel systems Fibre-cement systems</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	67

Title:	Installing sheeting and cladding rainwater goods on roofs and walls in the workplace	
Unit Number:	J/616/1706	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing sheeting and cladding rainwater goods on roofs and walls.	1.1	Interpret and extract relevant information from drawings, specifications, schedules method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, oral and written procedures, site inductions, current regulations governing buildings and official guidance associated with the installation of rainwater goods.
2 Know how to comply with relevant legislation and official guidance when installing sheeting and cladding rainwater goods on roofs and walls.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials, by manual handling and mechanical lifting and with mechanical access equipment.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when installing sheeting and cladding rainwater goods on roofs and walls.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing sheeting and cladding rainwater goods on roofs and walls.

Title:	Installing sheeting and cladding rainwater goods on roofs and walls in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Continued	3.2 Demonstrate compliance with given information and relevant legislation when installing sheeting and cladding rainwater goods on roofs and walls in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health 	3.3 Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to installing sheeting and cladding rainwater goods on roofs and walls, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE)
	3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.	3.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, falls, rescue procedures and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to install sheeting and cladding rainwater goods on roofs and walls.	4.1 Select resources associated with own work in relation to materials, components, fixings, tools and equipment.	4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – brackets, fixings and supports – gutters, pipes, downpipes and angles – sealant and gaskets – stop-ends, grills, guards, filters and covers – overflows, sumps and outlets – hand tools, portable power tools and equipment.
	4.3 Describe how the resources should be used correctly, how problems associated with the resources are reported.	4.4 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.

Title:	Installing sheeting and cladding rainwater goods on roofs and walls in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe the methods of calculating quantity, length, area and wastage associated with the method and procedure to install sheeting and cladding rainwater goods on roofs and walls.
5 Minimise the risk of damage to the work and surrounding area when installing sheeting and cladding rainwater goods on roofs and walls.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Prevent damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when installing sheeting and cladding rainwater goods on roofs and walls.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7 Comply with the given contract information to install sheeting and cladding rainwater goods on roofs and walls to the required specification.	7.1	Demonstrate the following work skills when installing sheeting and cladding rainwater goods on roofs and walls: <ul style="list-style-type: none"> – measuring, cutting, setting out, aligning, fitting, positioning, fixing and securing.
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment.

Title:	Installing sheeting and cladding rainwater goods on roofs and walls in the workplace	
Additional information about this unit		
7 Continued	7.3	Install the following roof sheeting and cladding rainwater goods to given working instructions for: <ul style="list-style-type: none"> – gutters – pipes, downpipes and angles (swan necks, off sets) – brackets and supports – sumps – overflows – outlets.
	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> – identify installation quality requirements – conform to agreed specification – confirm manufacturers’ installation criteria – identify datum, line, level and plumb – deal with damaged and incorrect materials and resources – position, fix and secure brackets and supports – install gutters, pipes including downpipes, and angles (swan necks and offsets), sumps, outlets and overflows – ensure the integrity of joints and overlaps – maintain the integrity of surfaces – install materials and components, stop-ends, grills, guards, filters, sealants, gaskets and covers – check quality and suitability of work on completion and at the end of each working period – recognise and determine when additional specialist skills and knowledge are required and report accordingly – determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – work from mobile elevating work platforms – work with, around and in close proximity to plant and machinery – use hand tools, portable power tools and equipment – work at height – use of access equipment.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when installing sheeting and cladding rainwater goods on roofs and walls.
	7.6	Describe how and when to maintain the tools and equipment used when installing sheeting and cladding rainwater goods on roofs and walls.

Title:	Installing sheeting and cladding rainwater goods on roofs and walls in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills 'Consolidated Assessment Strategy for Construction and the Built Environment'.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	43

Title:	Installing sheeting and cladding systems to curved and complex roof and wall formations in the workplace	
Unit Number:	H/615/9218	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing sheeting and cladding systems to curved and complex roof and wall formations.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, oral and written procedures, site inductions, current regulations governing buildings, and official guidance associated with the installation of sheeting and cladding systems.
2 Know how to comply with relevant legislation and official guidance when installing sheeting and cladding systems to curved and complex roof and wall formations.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials, by manual handling and mechanical lifting and with mechanical access equipment.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when installing sheeting and cladding systems to curved and complex roof and wall formations.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing sheeting and cladding systems to curved and complex roof and wall formations.

Title:	Installing sheeting and cladding systems to curved and complex roof and wall formations in the workplace
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
3 Continued	3.2 Demonstrate compliance with given information and relevant legislation when installing sheeting and cladding systems to curved and complex roof and wall formations in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3 Explain why and when health and safety control equipment, identified by the principles of prevention should be used, relating to installing sheeting and cladding systems to curved and complex roof and wall formations, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE)
	3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, falls, rescue procedures and other task-related activities.
	4.1 Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
4 Select the required quantity and quality of resources for the methods of work to install sheeting and cladding systems to curved and complex roof and wall formations.	4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – fixings, fasteners, flashings, fittings, halters and spacer system – insulation, fire-stops, vapour control, separation and breather membranes – primers, cleaning agents, sealing tapes, sealants and fillers – metal and translucent sheets, built up, standing seam, secret fix, composite panels, decking panels and fibre cement systems – rainwater goods – hand tools, portable power tools and equipment.

Title:	Installing sheeting and cladding systems to curved and complex roof and wall formations in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe the methods of calculating quantity, length, area and wastage associated with the method and procedure to install sheeting and cladding systems to curved and complex roof and wall formations.
5 Minimise the risk of damage to the work and surrounding area when installing sheeting and cladding systems to curved and complex roof and wall formations.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Prevent damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when installing sheeting and cladding systems to curved and complex roof and wall formations.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Title:	Installing sheeting and cladding systems to curved and complex roof and wall formations in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Comply with the given contract information to install sheeting and cladding systems to curved and complex roof and wall formations to the required specification.	7.1	Demonstrate the following work skills when installing sheeting and cladding systems to curved and complex roof and wall formations: – measuring, setting out, fitting, finishing, positioning and securing.
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment.
	7.3	Prepare and install sheeting and cladding to complex roof or wall formations, incorporating weathering materials, related materials and components, ventilation and insulation, fittings and fixings and flashings for the following to given working instructions: – curved areas – complex formations.
	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – identify installation quality requirements – conform to agreed specification – confirm manufacturers’ installation criteria – set out and transfer lines and levels in preparation for installation – prepare and layout materials, components, fixings and fittings – install fire stops, vapour control, separation and breather membranes – install sheeting and cladding to curved and complex formations – position and secure flashings and vents – install insulation and flashing material – form and shape components for intricate, unconventional areas, up-stands, protrusions and penetrations – ensure the integrity of joints, overlaps and interface details – apply sealants and install fillers to ensure water and airtightness.

Title:	Installing sheeting and cladding systems to curved and complex roof and wall formations in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.4 contd	<ul style="list-style-type: none"> – recognise the differences between sheeting and cladding materials for roof and walls – deal with damaged and incorrect sheeting and cladding materials and resources – check quality and suitability of work on completion and at the end of each working period – recognise and determine when additional specialist skills and knowledge are required and report accordingly – work from mobile elevating work platforms – work with, around and in close proximity to plant and machinery – use hand tools, portable power tools and equipment – work at height – use of access equipment.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when installing sheeting and cladding systems to curved and complex roof and wall formations.
	7.6	Describe how and when to maintain the tools and equipment used when installing sheeting and cladding systems to curved and complex roof and wall formations.

Title:	Installing sheeting and cladding systems to curved and complex roof and wall formations in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills 'Consolidated Assessment Strategy for Construction and the Built Environment'.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	147

Title:	Refurbishing sheeting and cladding on roofs or walls or rainscreen systems in the workplace	
Unit Number:	K/615/9219	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when refurbishing sheeting and cladding on roofs or walls or rainscreen systems.	1.1	Interpret and extract relevant information from drawings, specifications, schedules method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, oral and written procedures, site inductions, current regulations governing buildings and official guidance associated with the refurbishment of sheeting and cladding on roofs or walls or rainscreen systems
2 Know how to comply with relevant legislation and official guidance when refurbishing sheeting and cladding on roofs or walls or rainscreen systems	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials, by manual handling and mechanical lifting and with mechanical access equipment.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when refurbishing sheeting and cladding on roofs or walls or rainscreen systems.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when refurbishing sheeting and cladding on roofs or walls or rainscreen systems.

Title:	Refurbishing sheeting and cladding on roofs or walls or rainscreen systems in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Continued	3.2	Demonstrate compliance with given information and relevant legislation when refurbishing sheeting and cladding on roofs or walls or rainscreen systems. in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to refurbishing sheeting and cladding on roofs or walls or rainscreen systems, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE)
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, falls, rescue procedures, other task-related activities and the discovery of asbestos containing substances.
4 Select the required quantity and quality of resources for the methods of work to refurbish sheeting and cladding on roofs or walls or rainscreen systems.	4.1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – fixings, fasteners, flashings, fittings, halters, clips and spacer systems – insulation, vapour control, separation and breather membranes – primers, cleaning agents, sealing tapes sealants and fillers – metal, translucent sheets, built up, standing seam, secret fix, composite panels, rainscreen cladding panels, decking panels and fibre cement system – rainwater goods – hand tools, portable power tools and equipment.

Title:	Refurbishing sheeting and cladding on roofs or walls or rainscreen systems in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 continued	4.3	Describe how the resources should be used correctly, how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to calculate quantity, length, area and wastage associated with the method and procedure to refurbish sheeting and cladding on roofs or walls or rainscreen systems.
5 Minimise the risk of damage to the work and surrounding area when refurbishing sheeting and cladding on roofs or walls or rainscreen systems.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Prevent damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when refurbishing sheeting and cladding on roofs or walls or rainscreen systems.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Title:	Refurbishing sheeting and cladding on roofs or walls or rainscreen systems in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Comply with the given contract information to refurbish sheeting and cladding on roofs or walls or rainscreen systems to the required specification.	7.1 Demonstrate the following work skills when refurbishing sheeting and cladding on roofs or walls or rainscreen systems: – identifying, checking, measuring, marking out, cutting, removing, cleaning, replacing, aligning, positioning, fixing and sealing.	
	7.2 Use and maintain hand tools, portable power tools and ancillary equipment.	
	7.3 Prepare resources and backgrounds to refurbish, strip and re-sheet or over-clad, sheeting and cladding on roofs or walls to given working instructions for one of the following systems: – built-up – standing seam – secret fix – composite panel – fibre cement – rainscreen cladding	
	7.4 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – identify installation quality requirements – conform to agreed specification – confirm manufacturers’ installation criteria – identify the criteria for removing and over-cladding materials containing hazardous substances, including licenced and non-licenced asbestos – check currency of calibration for levelling equipment – retain the integrity of background surfaces and backing walls – prepare backgrounds and backing walls for replacement (new or recycled) sheeting and cladding systems – identify, recognise and work to gridlines and datum marks – prepare existing roof and wall coverings for over-cladding – strip existing roof and wall coverings and rainscreen wall cladding support systems for re-sheeting – apply cleaning agents and primers – install insulation, sealing tapes, vapour checks and separation membranes	

Title:	Refurbishing sheeting and cladding on roofs or walls or rainscreen systems in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.4 contd	<ul style="list-style-type: none"> – assess the suitability of structures and existing roof coverings to receive replacement materials – layout and align products, adjust fixings, halters, spacers, clips, fittings, sheets and cladding materials – fit and fix replacement materials – form and shape components for up-stands, protrusions and penetrations – recognise the differences between sheeting and cladding materials for roofs and walls and rainscreen systems – check quality and suitability of work on completion and at the end of each working period – recognise and determine when additional specialist skills and knowledge are required and report accordingly – determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – work from mobile elevating work platforms – work with, around and in close proximity to plant and machinery – handle, store and dispose of removed materials and components – use hand tools, portable power tools and equipment – work at height – use of access equipment.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when refurbishing sheeting and cladding on roofs or walls or rainscreen systems.
	7.6	Describe how and when to maintain the tools and equipment used when refurbishing sheeting and cladding on roofs or walls or rainscreen systems.

Title:	Refurbishing sheeting and cladding on roofs or walls or rainscreen systems in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure.</p> <p>ProQual Level 3 NVQ Diploma in Cladding Operations (Construction:</p> <p>One of the following endorsements required:</p> <ul style="list-style-type: none"> Built up systems Standing seam systems Secret fix systems Composite panel systems Fibre-cement systems Rainscreen cladding systems
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	73

Title:	Repairing sheeting and cladding systems on roofs and walls (including rainscreen) in the workplace	
Unit Number:	D/615/9220	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when repairing sheeting and cladding systems on roofs and walls, including rainscreen.	1.1	Interpret and extract relevant information from drawings, specifications, schedules method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, oral and written procedures, site inductions, current regulations governing buildings and official guidance associated with the repair of sheeting and cladding systems.
2 Know how to comply with relevant legislation and official guidance when repairing sheeting and cladding systems on roofs and walls, including rainscreen.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment, whilst working: <ul style="list-style-type: none"> – in the workplace, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials, by manual handling and mechanical lifting and with mechanical access equipment.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when repairing sheeting and cladding systems on roofs and walls, including rainscreen.	3.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when repairing sheeting and cladding systems on roofs and walls, including rainscreen.

Title:	Repairing sheeting and cladding systems on roofs and walls (including rainscreen) in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 Continued	3.2	Demonstrate compliance with given information and relevant legislation when repairing sheeting and cladding systems on roofs and walls, including rainscreen, in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment and working platforms – safe use, storage and handling of materials, tools and equipment – specific risks to health
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to repairing sheeting and cladding systems on roofs and walls, including rainscreen, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE)
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, falls, rescue procedures and other task-related activities.
	4	Select the required quantity and quality of resources for the methods of work to repair sheeting and cladding systems on roofs and walls, including rainscreen.
	4.1	Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – fixings, fasteners, flashings, fittings, halters and spacer system – insulation, vapour control, separation and breather membranes – primers, cleaning agents, sealing tapes, sealants and fillers – metal and translucent sheets, built up, standing seam, secret fix, composite panels, rainscreen cladding panels, decking panels and fibre cement systems – rainwater goods – hand tools, portable power tools and equipment.

Title:	Repairing sheeting and cladding systems on roofs and walls (including rainscreen) in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	4.3	Describe how the resources should be used correctly, how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe the methods of calculating quantity, length, area and wastage associated with the method and procedure to repair sheeting and cladding systems on roofs and walls, including rainscreen.
5 Minimise the risk of damage to the work and surrounding area when repairing sheeting and cladding systems on roofs and walls, including rainscreen.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Prevent damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when repairing sheeting and cladding systems on roofs and walls, including rainscreen.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Title:	Repairing sheeting and cladding systems on roofs and walls (including rainscreen) in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Comply with the given contract information to repair sheeting and cladding systems on roofs and walls, including rainscreen, to the required specification.	7.1	Demonstrate the following work skills when repairing sheeting and cladding systems on roofs and walls, including rainscreen: – removing, replacing, renewing and repairing
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment
	7.3	Identify and repair defects in sheeting and cladding systems to given working instructions: – leaks – condensation – damaged sheets and components – minor surface coating defects – damaged or missing flashings.
	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – identify installation quality requirements – conform to agreed specification – confirm manufacturers’ repair and installation criteria – identify defects including: leaks, condensation, damaged sheets and components, surface coating defects, damaged and missing flashings – remove and recover defective materials – carry out repairs to sheet components – remove and replace damaged, missing and incorrect sheeting and cladding materials, components, fittings, fixings and flashings – identify and match existing products – identify the source of leaks and condensation – deal with and prevent water leaks and condensation – inspect, test, repair and replace rainwater goods – identify and ensure the integrity of joints and overlaps – treat surface coating defects – apply sealants and fillers to ensure water and airtightness – install and replace insulation, fire stops, breather membranes and vapour control layers – recognise the differences between sheeting and cladding materials for roofs and walls including rainscreen systems – check quality and suitability of work on completion and at the end of each working period

Title:	Repairing sheeting and cladding systems on roofs and walls (including rainscreen) in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.4 contd	<ul style="list-style-type: none"> – recognise and determine when additional specialist skills and knowledge are required and report accordingly – work from mobile elevating work platforms – work with, around and in close proximity to plant and machinery – use hand tools, portable power tools and equipment – work at height – use of access equipment.
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when repairing sheeting and cladding systems on roofs and walls, including rainscreen.
	7.6	Describe how and when to maintain the tools and equipment used when repairing sheeting and cladding systems on roofs and walls, including rainscreen.

Title:	Repairing sheeting and cladding systems on roofs and walls (including rainscreen) in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills 'Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Area	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	67

Title:	Installing solar collectors to roofs in the workplace	
Unit Number:	H/615/2186	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing solar collectors to roofs.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	State the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and regulations governing buildings.
2 Know how to comply with relevant legislation and official guidance when installing solar collectors to roofs.	2.1	Describe their responsibilities under current legislation and official guidance whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

Title:	
Installing solar collectors to roofs in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
3 Maintain safe working practices when installing solar collectors to roofs.	3.1 Use health and safety control equipment and access equipment safely to carry out the activity in accordance with legislation and organisational requirements when installing solar collectors to roofs.
	3.2 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to installing solar collectors to roofs, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	3.3 Describe how the relevant health and safety control equipment should be used in accordance with the given instructions.
	3.4 State how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related hazards.
4 Select the required quantity and quality of resources for the methods of work to install solar collectors to roofs.	4.1 Select resources associated with own work in relation to materials, components, fixings, tools and equipment.
	4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – solar collector installation kits – hand and/or powered tools and equipment.
	4.3 Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4 Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5 Describe any potential hazards associated with the resources and method of work.
	4.6 Describe how to calculate quantity, length, area and wastage associated with the method/procedure to install solar collectors to roofs.

Title:		Installing solar collectors to roofs in the workplace	
Learning outcomes <i>The learner will be able to:</i>		Assessment criteria <i>The learner can:</i>	
5	Minimise the risk of damage to the work and surrounding area when installing solar collectors to roofs.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
		5.2	Minimise damage and maintain a clean work space.
		5.3	Dispose of waste in accordance with legislation.
		5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
		5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when installing solar collectors to roofs.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	State the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Title:	Installing solar collectors to roofs in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Comply with the given contract information to installing solar collectors to roofs to the required specification.	7.1	Demonstrate the following work skills when installing solar collectors to roofs: – removing, measuring, marking out, cutting, fitting, fixing, positioning, securing and replacing.
	7.2	Prepare for and install solar collectors to roof to given working instructions for one of the following: – integrated photo voltaic – mounted photo voltaic – integrated solar thermal – mounted solar thermal.
	7.3	Reinstate roof coverings to given working instructions.
	7.4	Safely use and handle materials.
	7.5	Safely use hand tools, portable power tools and ancillary equipment.
	7.6	Safely store the materials, tools and equipment used when installing solar collectors to roofs.
	7.7	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – assess the installation area – check the direction the roof is facing – remove or leave out waterproofing elements – mark out for installation using given templates or dimensions – prepare and weatherproof penetrations – fix additional supports – secure fixtures, fittings and collector.
	7.8	Describe how to apply safe work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – reinstate roof covering including flashings – install solar panels during construction and as retrofit to existing buildings – use hand tools, power tools and equipment – work at height – use access equipment.
	7.9	Describe the needs of other occupations and how to effectively communicate within a team when installing solar collectors to roofs.
	7.10	Describe how to maintain the tools and equipment used when installing solar collectors to roofs.

Title:	Installing solar collectors to roofs in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure.</p> <p>ProQual Level 3 NVQ Diploma in Cladding Operations (Construction):</p> <p>One of the following endorsements required:</p> <p>Photo voltaic Solar thermal</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	20

Title:	Preparing and operating scissor-type mobile elevating work platforms (MEWP) in the workplace	
Unit Number:	A/508/6508	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the preparation and using scissor-type MEWPs to access areas to carry out the work.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and current regulations governing the operation of plant and machinery used as work platforms.
2 Organise with others the sequence and operation in which accessing operations using scissor-type MEWPs are to be carried out.	2.1	Organise the work according to given information or instructions.
	2.2	Describe how to communicate ideas between team members.
	2.3	Organise and communicate with team members and other associated occupations.
	2.4	Describe how to organise resources prior to and during accessing operations.
3 Know how to comply with relevant legislation and official guidance when carrying out accessing operations using scissor-type MEWPs.	3.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
	3.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	3.3	Explain what the accident reporting procedures are and who is responsible for making reports.

Title:	Preparing and operating scissor-type mobile elevating work platforms (MEWP) in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Maintain safe and healthy working practices when preparing for and carrying out accessing operations using scissor-type MEWPs.	4.1	Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with legislation and organisational requirements during accessing operations.
	4.2	Demonstrate compliance with given information and relevant legislation when carrying out accessing operations using scissor-type MEWPs in relation to two or more of the following: <ul style="list-style-type: none"> – safe use and storage of plant or machinery – safe use and storage of tools and equipment – specific risks to health.
	4.3	Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to accessing operations, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV).
	4.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	4.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, other task-related activities and rescue plans.
5 Request and select the required quantity and quality of resources to prepare for and carry out accessing operations using scissor-type MEWPs.	5.1	Request and select resources associated with scissor-type MEWPs in relation to consumables, materials, tools, ancillary equipment and/or accessories.
	5.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none"> – consumables, lubricants and fuels – attachments and accessing aids – hand tools, ancillary equipment and accessories.
	5.3	Describe how the resources should be used correctly, how problems associated with the resources are reported.

Title:	Preparing and operating scissor-type mobile elevating work platforms (MEWP) in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
5 continued	5.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	5.5	Describe any potential hazards associated with the resources and methods of work.
	5.6	Describe how to identify weight, quantity, length and area associated with the method/procedures to operate scissor-type mobile elevating work platforms used for accessing operations.
6 Minimise the risk of damage to the work and surrounding area when preparing to and accessing work areas.	6.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	6.2	Prevent damage and maintain a clean work space.
	6.3	Dispose of waste in accordance with current legislation.
	6.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	6.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
7 Complete the work within the allocated time when preparing to and accessing work areas using scissor-type MEWPs.	7.1	Demonstrate completion of the work within the allocated time.
	7.2	Describe the purpose of the work programme and describe why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Title:	Preparing and operating scissor-type mobile elevating work platforms (MEWP) in the workplace
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
8 Comply with the given contract information to access areas to carry out work using scissor-type MEWPs to the required specification.	8.1 Demonstrate the following work skills when preparing for and accessing work areas using scissor-type MEWPs: <ul style="list-style-type: none"> – checking, setting up, adjusting, communicating, manoeuvring, positioning, accessing and setting down.
	8.2 Use and maintain hand tools, ancillary equipment and/or accessories.
	8.3 Prepare for, position, set up and operate scissor-type MEWPs to access working areas, at various locations, to given working instructions.
	8.4 Shut down and secure scissor-type MEWPs.
	8.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish authority needed to rectify, to: <ul style="list-style-type: none"> – identify the characteristics of the scissor-type MEWP used for accessing work – identify valid certification for maintenance, inspection and thorough examination – carry out function checks for accessing operation – prepare, set up and adjust for operational requirements – carry out pre-operational checks for obstructions, stability, and ground conditions affecting the work and surrounding area – identify and remain aware of the area of operation to include potential entrapment situations – use fall prevention equipment – check to avoid damage to structures and utilities service apparatus
	8.6 <ul style="list-style-type: none"> – position and secure MEWP for accessing operations – recognise and determine when specific skills and knowledge are required and report accordingly – operate, manoeuvre, position, set down and secure – operate and travel on the public highway – shut down and secure the MEWP – use hand tools, ancillary equipment and accessories.
	8.7 Describe the needs of other occupations and how to effectively communicate within a team when preparing to and carrying out accessing operations.
	8.8 Describe how to maintain the plant and machinery, hand tools, ancillary equipment used to access working areas.

Title:	Preparing and operating scissor-type mobile elevating work platforms (MEWP) in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector subject areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	40

Title:	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace	
Unit Number:	F/508/6509	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the preparation and using boom-type MEWPs to access areas to carry out the work.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and current regulations governing the operation of plant and machinery used as work platforms.
2 Organise with others the sequence and operation in which accessing operations using boom-type MEWPs are to be carried out.	2.1	Organise the work according to given information or instructions.
	2.2	Describe how to communicate ideas between team members.
	2.3	Organise and communicate with team members and other associated occupations.
	2.4	Describe how to organise resources prior to and during accessing operations.
3 Know how to comply with relevant legislation and official guidance when carrying out accessing operations using boom-type MEWPs.	3.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
	3.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	3.3	Explain what the accident reporting procedures are and who is responsible for making reports.

Title:	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Maintain safe and healthy working practices when preparing for and carrying out accessing operations using boom-type MEWPs.	4.1 Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with legislation and organisational requirements during accessing operations.	
	4.2 Demonstrate compliance with given information and relevant legislation when carrying out accessing operations using boom-type MEWPs in relation to two or more of the following: <ul style="list-style-type: none"> – safe use and storage of plant or machinery – safe use and storage of tools and equipment – specific risks to health. 	
	4.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to accessing operations, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 	
	4.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.	
	4.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, other task-related activities and rescue plans.	
5 Request and select the required quantity and quality of resources to prepare for and carry out accessing operations using boom-type MEWPs.	5.1 Request and select resources associated with boom-type MEWPs in relation to consumables, materials, tools, ancillary equipment and/or accessories.	
	5.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none"> – consumables, lubricants and fuels – attachments and accessing aids – hand tools, ancillary equipment and accessories. 	
	5.3 Describe how the resources should be used correctly, how problems associated with the resources are reported.	

Title:	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
5 continued	5.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	5.5	Describe any potential hazards associated with the resources and methods of work.
	5.6	Describe how to identify weight, quantity, length and area associated with the method/procedures to operate boom-type mobile elevating work platforms used for accessing operations.
6 Minimise the risk of damage to the work and surrounding area when preparing to and accessing work areas.	6.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	6.2	Prevent damage and maintain a clean work space.
	6.3	Dispose of waste in accordance with current legislation.
	6.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	6.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
7 Complete the work within the allocated time when preparing to and accessing work areas using boom-type MEWPs.	7.1	Demonstrate completion of the work within the allocated time.
	7.2	Describe the purpose of the work programme and describe why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Title:	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
8 Comply with the given contract information to access areas to carry out work using boom-type MEWPs to the required specification.	8.1 Demonstrate the following work skills when preparing for and accessing work areas using boom-type MEWPs: <ul style="list-style-type: none"> – checking, setting up, adjusting, communicating, manoeuvring, positioning, accessing and setting down.
	8.2 Use and maintain hand tools, ancillary equipment and/or accessories.
	8.3 Prepare for, position, set up and operate boom-type MEWPs to access working areas, at various locations, to given working instructions.
	8.4 Shut down and secure boom-type MEWPs.
	8.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish authority needed to rectify, to: <ul style="list-style-type: none"> – identify the characteristics of the boom-type MEWP used for accessing work – identify valid certification for maintenance, inspection and thorough examination – carry out function checks for accessing operation – prepare, set up and adjust for operational requirements – carry out pre-operational checks for obstructions, stability, and ground conditions affecting the work and surrounding area – identify and remain aware of the area of operation to include potential entrapment situations – use fall prevention equipment
	8.6 <ul style="list-style-type: none"> – check to avoid damage to structures and utilities service apparatus – position and secure MEWP for accessing operations – recognise and determine when specific skills and knowledge are required and report accordingly – operate, manoeuvre, position, set down and secure – operate and travel on the public highway – shut down and secure the MEWP – use hand tools, ancillary equipment and accessories.
	8.7 Describe the needs of other occupations and how to effectively communicate within a team when preparing to and carrying out accessing operations.
	8.8 Describe how to maintain the plant and machinery, hand tools, ancillary equipment used to access working areas.

Title:	Preparing and operating boom-type mobile elevating work platforms (MEWP) in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector subject areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	47

Title:	Setting out secondary dimensional work control in the workplace	
Unit Number:	K/508/6536	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to setting out dimensional control of the work.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and reference points.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, reference points and current regulations governing buildings and construction work.
2 Know how to comply with relevant legislation and official guidance to set out dimensional control of the work.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

Title:	Setting out secondary dimensional work control in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
<p>3 Maintain safe and healthy working practices when setting out dimensional control of the work.</p>	<p>3.1 Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with legislation and organisational requirements during setting out dimensional control of the work.</p>	
	<p>3.2 Demonstrate compliance with given information and relevant legislation when setting out dimensional control of the work in relation to two or more of the following:</p> <ul style="list-style-type: none"> – safe use of access equipment/working platforms – safe handling of materials – safe use and storage of materials, tools and equipment – specific risks to health. 	
	<p>3.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to setting out dimensional control of the work, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 	
	<p>3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.</p>	
	<p>3.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.</p>	
<p>4 Select the required quantity and quality of resources to set out dimensional control of the work.</p>	<p>4.1 Select resources associated with the work in relation to measuring tools and instruments, marking materials/components, tools and equipment.</p>	
	<p>4.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources, and how they should be used correctly, relating to:</p> <ul style="list-style-type: none"> – measuring tools and instruments – marking equipment – level and alignment tools. 	
	<p>4.3 Describe how the resources should be used correctly and how problems associated with the resources are reported.</p>	

Title:	Setting out secondary dimensional work control in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe how to identify quantity of resources associated with the method/procedure to set out for secondary dimensional work control.
5 Minimise the risk of damage to the work and surrounding area when setting out dimensional control of the work.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Prevent damage and maintain a clean work area.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when setting out dimensional control of the work.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and describe why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Title:	Setting out secondary dimensional work control in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Comply with the given contract information to set out dimensional control of the work to the required specification.	7.1	Demonstrate the following work skills when setting out dimensional control of the work: <ul style="list-style-type: none"> – transferring, transposing, levelling, measuring, marking, positioning, fixing and securing.
	7.2	Use and maintain hand tools, measuring and marking equipment.
	7.3	Set out secondary dimensional control for the work to given working instructions for three or more of the following: <ul style="list-style-type: none"> – line – level – depth – area – height – angle.
	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish authority needed to rectify, to: <ul style="list-style-type: none"> – measure and set out secondary dimensional control for the work – measure, align and level to dimensional control requirements – transfer and set out lines, angles and levels to dimensional control requirements – recognise and determine when specific skills and knowledge are required and report accordingly – use hand tools, measuring and marking equipment – work at height – use access equipment.
	7.5	Describe how to calculate height, depth, angle, length and area associated with the method/procedure to set out secondary dimensional work control.
	7.6	Describe the needs of other occupations and how to effectively communicate within a team when setting out dimensional control of the work.
	7.7	Describe how to maintain the hand tools, measuring, marking and ancillary and equipment used to set out dimensional control of the work.

Title:	Setting out secondary dimensional work control in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure.</p> <p>ProQual Level 3 NVQ Diploma in Cladding Operations (Construction):</p> <p>Three of the following endorsements required:</p> <ul style="list-style-type: none"> Lines Levels Depths Areas Heights Angles
Sector subject areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	23

Title:	Slinging and hand signalling the movement of suspended loads in the workplace	
Unit Number:	A/508/6525	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the preparation for and the slinging and signalling of loads.	1.1	Interpret and extract relevant information from drawings, specifications, schedules, risk assessments, method statements (lift plans) and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, lift plans, work instructions, manufacturers' information, approved procedures and Codes of Practice.
2 Organise with others the sequence and operation in which the slinging and signalling of loads is to be carried out.	2.1	Organise the work according to given information or instructions.
	2.2	Describe how to communicate ideas between team members.
	2.3	Organise and communicate with team members and other associated occupations.
	2.4	Describe how to organise resources prior to and when slinging and signalling of loads.
3 Know how to comply with relevant legislation and official guidance to carry out slinging and signalling of loads.	3.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
	3.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	3.3	Explain what the accident reporting procedures are and who is responsible for making reports.

Title:	Slinging and hand signalling the movement of suspended loads in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
<p>4 Maintain safe and healthy working practices when preparing for and slinging and signalling loads.</p>	<p>4.1 Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with legislation and organisational requirements when slinging and signalling loads.</p>	
	<p>4.2 Demonstrate compliance with given information and relevant legislation when carrying out the slinging and signalling of loads in relation to at least three of the following:</p> <ul style="list-style-type: none"> – safe use and storage of tools and equipment – safe use, storage and handling of lifting accessories – safe use of access equipment – specific risks to health. 	
	<p>4.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to slinging and signalling of loads, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to:</p> <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 	
	<p>4.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.</p>	
	<p>4.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.</p>	
<p>5 Select the required quantity and quality of resources to prepare for and when slinging and signalling loads.</p>	<p>5.1 Select resources associated with slinging/signalling in relation to lifting accessories/aids, hand tools and ancillary equipment.</p>	
	<p>5.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources, and how they should be used correctly, relating to:</p> <ul style="list-style-type: none"> – lifting accessories – signalling and communication equipment – hand tools and ancillary equipment. 	
	<p>5.3 Describe how the resources should be used correctly, and how problems associated with the resources are reported.</p>	

Title:	Slinging and hand signalling the movement of suspended loads in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
5 Continued	5.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	5.5	Describe any potential hazards associated with the resources and methods of work.
	5.6	Describe how to identify weight, quantity, length and area associated with the method/procedures to carry out slinging/signalling.
6 Minimise the risk of damage to the work and surrounding area when preparing to and slinging and signalling loads.	6.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	6.2	Prevent damage and maintain a clean work space.
	6.3	Dispose of waste in accordance with current legislation.
	6.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	6.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
7 Complete the work within the allocated time when preparing to and slinging and signalling loads.	7.1	Demonstrate completion of the work within the allocated time.
	7.2	Describe the purpose of the work programme and describe why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Title:	Slinging and hand signalling the movement of suspended loads in the workplace
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
<p>8 Comply with the given contract information to prepare to and sling and signal suspended loads for movement to the required specification.</p>	<p>8.1 Demonstrate the following work skills when preparing to and slinging and signalling loads:</p> <ul style="list-style-type: none"> – measuring, gauging, estimating, calculating, fitting, fixing, testing, balancing, interpreting, inspecting, judging, explaining, preparing, indicating, informing, instructing, signing, positioning, adjusting, configuring, moving, securing, signalling and relaying.
	<p>8.2 Use and maintain lifting accessories, lifting aids and equipment.</p>
	<p>8.3 Inspect and prepare lifting accessories prior to slinging.</p>
	<p>8.4 Prepare to and attach suspended loads to lifting equipment, using appropriate lifting accessories and load securing methods, to given working instructions for three of the following:</p> <ul style="list-style-type: none"> – balanced – unbalanced – loose – bundled – container – drum – a load where the machine operator cannot observe its full movement path.
	<p>8.5 Guide, move and place suspended loads to specified destinations, using hand signals, to given working instructions for three of the following:</p> <ul style="list-style-type: none"> – balanced – unbalanced – loose – bundled – container – drum – a load where the machine operator cannot observe its full movement path.
	<p>8.6 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish authority needed to rectify, to:</p> <ul style="list-style-type: none"> – identify the differences between: slinging and signalling, directing and guiding movement of vehicles, plant and machinery, and directing and guiding operations of plant and machinery not being used for lifting operations – confirm the authority, duties and responsibilities allocated – identify characteristics of lifting equipment and lifting accessories – identify and interpret valid certification for maintenance, inspection and thorough examination

Title:	Slinging and hand signalling the movement of suspended loads in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
8 Continued	8.7	<ul style="list-style-type: none"> – lift and transfer people – sling balanced, unbalanced, loose, live, bundled, container drum loads and loads that are blind to the equipment operator – communicate using hand signals, hand signalling equipment (lights, wands, fluorescent gloves, flags) and electronic communication equipment (loud hailers, radios) – confirm methods of communication – recognise blind-spots, potential crush zones and other limitations to driver visibility – consider the load characteristics including centre of gravity and lifting points to determine the method of slinging – determine and check the route of the load before and during the lift including distances, clearances and landing position
	8.8	<ul style="list-style-type: none"> – select, handle, inspect and use (assemble, set up and adjust) lifting accessories and aids – identify rejection criteria for removing lifting accessories from service – recognise and determine when specific skills and knowledge are required and report accordingly – attach lifting accessories and sling loads securely – ensure balance and stability of loads – attach and use load guidance equipment (tag lines) – guide and place suspended loads by recognised methods of communication and agreed operational procedures – land and position loads safely and securely – remove and store lifting accessories – use hand tools and ancillary equipment.
	8.9	Describe the needs of other occupations and how to communicate within a team when preparing to and slinging and signalling loads.
	8.10	Describe how to maintain the lifting accessories, lifting aids and signalling and communication equipment used to sling and signal loads.

Title:	Slinging and hand signalling the movement of suspended loads in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p> <p>This unit must be assessed against the endorsements detailed within the relevant NVQ Structure.</p> <p>ProQual Level 3 NVQ Diploma in Cladding Operations (Construction):</p> <p>The following endorsement required (i.e. own area of work): Slinger signaller – Cladding Occupations only</p>
Sector subject areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	33

Title:	Preparing backing walls to receive rainscreen wall cladding systems in the workplace	
Unit Number:	L/616/1707	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when preparing backing walls to receive rainscreen wall cladding systems.	1.1	Interpret and extract relevant information from drawings, specifications, schedules method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, current regulations governing buildings and official guidance associated with preparing backing walls and installing support systems to receive rainscreen wall cladding systems.
2 Know how to comply with relevant legislation and official guidance when preparing backing walls to receive rainscreen wall cladding systems.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials, by manual handling and mechanical lifting and with mechanical access equipment.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.
3 Maintain safe and healthy working practices when preparing backing walls to receive rainscreen wall cladding systems.	3.1	Use safe and healthy control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when preparing backing walls to receive rainscreen wall cladding systems.

Title:	Preparing backing walls to receive rainscreen wall cladding systems in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
3 continued	3.2	Demonstrate compliance with given information and relevant legislation when preparing backing walls to receive rainscreen wall cladding systems. in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and associated equipment – specific risks to health.
	3.3	Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to preparing backing walls to receive rainscreen wall cladding systems, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE).
	3.4	Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5	Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, falls, rescue procedures and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to prepare backing walls to receive rainscreen wall cladding systems.	4.1	Select resources associated with own work in relation to materials, components and specialised fixings for compatible materials, tools and equipment, access equipment.
	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – fixings, fasteners, flashings, fittings, halters carriers, rails, brackets and spacer systems – insulation, vapour control, separation and breather membranes, primers, cleaning agents, sealing tapes, sealants and fillers – hand tools, portable power tools and equipment.

Title:	Preparing backing walls to receive rainscreen wall cladding systems in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 continued	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe the methods of calculating quantity, length, area and wastage associated with the method and procedure to prepare backing walls to receive rainscreen wall cladding systems.
5 Minimise the risk of damage to the work and surrounding area when preparing backing walls to receive rainscreen wall cladding systems.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Prevent damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions
	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6 Complete the work within the allocated time when preparing backing walls to receive rainscreen wall cladding systems.	6.1	Demonstrate completion of the work within the allocated time.
	6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.

Title:	Preparing backing walls to receive rainscreen wall cladding systems in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Comply with the given contract information to prepare backing walls to receive rainscreen wall cladding systems to the required specification.	7.1	Demonstrate the following work skills when preparing backing walls to receive rainscreen wall cladding systems: – measuring, marking out, cutting, levelling, plumb, adjusting, fitting, positioning, fixing and securing.
	7.2	Use and maintain hand tools, portable power tools and ancillary equipment.
	7.3	Prepare backing walls and install rainscreen wall cladding vertical and horizontal support systems to given working instructions.
	7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: – identify installation quality requirements – conform to agreed specification – confirm manufacturers’ installation criteria – assess suitability of backing walls – check currency of calibration for levelling equipment – identify datum, establish, work to and transfer levels and plumb lines – install proprietary vertical and horizontal support systems – install bespoke vertical and horizontal support systems – measure, mark out and cut supports to form internal and external angles – form opening reveals – adjust, fit, position, fix and secure brackets and fixing components for rainscreen wall cladding support systems – install insulation, fire stops, breather membranes and vapour control layers – check quality and suitability of work on completion and at the end of each working period – recognise and determine when additional specialist skills and knowledge are required and report accordingly – determine specific requirements for structures of special interest, traditional build (pre 1919) and historical significance – work with, around and in close proximity to plant and machinery

Title:	Preparing backing walls to receive rainscreen wall cladding systems in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 continued	7.4 contd	<ul style="list-style-type: none"> – work from mobile elevating work platforms – use hand tools, portable power tools and equipment – work at height – use access equipment
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when preparing backing walls to receive rainscreen wall cladding systems.
	7.6	Describe how and when to maintain the tools and equipment used when preparing backing walls to receive rainscreen wall cladding systems.

Title:	Preparing backing walls to receive rainscreen wall cladding systems in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment and in accordance with the ConstructionSkills 'Consolidated Assessment Strategy for Construction and the Built Environment'.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	67

Title:	Installing rainscreen wall cladding systems in the workplace	
Unit Number:	R/616/1708	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
1 Interpret the given information relating to the work and resources when installing rainscreen wall cladding systems.	1.1	Interpret and extract relevant information from drawings, specifications, schedules method statements, risk assessments and manufacturers' information.
	1.2	Comply with information and/or instructions derived from risk assessments and method statements.
	1.3	Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4	Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information, current regulations governing buildings and official guidance associated with the installation of rainscreen wall cladding systems.
2 Know how to comply with relevant legislation and official guidance when installing rainscreen wall cladding systems.	2.1	Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, in confined spaces, at height, with tools and equipment, with materials and substances, with movement and storage of materials, by manual handling and mechanical lifting and with mechanical access equipment.
	2.2	Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	2.3	Explain what the accident reporting procedures are and who is responsible for making reports.

Title:	
Installing rainscreen wall cladding systems in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
3 Maintain safe and healthy working practices when installing rainscreen wall cladding systems.	3.1 Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements when installing rainscreen wall cladding systems.
	3.2 Demonstrate compliance with given information and relevant legislation when installing rainscreen wall cladding systems in relation to the following: <ul style="list-style-type: none"> – safe use of access equipment – safe use, storage and handling of materials, tools and associated equipment – specific risks to health
	3.3 Explain why and when health and safety control equipment, identified by the principles of prevention, should be used, relating to installing rainscreen wall cladding systems, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE).
	3.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.
	3.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries, falls, rescue procedures and other task-related activities.
4 Select the required quantity and quality of resources for the methods of work to install rainscreen wall cladding systems.	4.1 Select resources associated with own work in relation to materials, components and specialised fixings for compatible materials, tools and equipment and access equipment.

Title:	Installing rainscreen wall cladding systems in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Continued	4.2	Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources in relation to: <ul style="list-style-type: none"> – fixings, fasteners, flashings, fittings, panel hangers, drips, cover strips, halters and spacer systems – insulation, fire stops, vapour control, separation and breather membranes – primers, cleaning agents, sealing tapes, sealants and fillers – metal and translucent sheets, built up, standing seam, secret fix, composite panels, decking panels and rainscreen panels and fibre cement systems – rainwater goods – hand tools, portable power tools and equipment.
	4.3	Describe how the resources should be used correctly and how problems associated with the resources are reported.
	4.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	4.5	Describe any potential hazards associated with the resources and methods of work.
	4.6	Describe the methods of calculating quantity, length, area and wastage associated with the method and procedure to install rainscreen wall cladding systems.
5 Minimise the risk of damage to the work and surrounding area when installing rainscreen wall cladding systems.	5.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	5.2	Prevent damage and maintain a clean work space.
	5.3	Dispose of waste in accordance with current legislation.
	5.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.

Title:		Installing rainscreen wall cladding systems in the workplace	
Learning outcomes <i>The learner will be able to:</i>		Assessment criteria <i>The learner can:</i>	
5	Continued	5.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
6	Complete the work within the allocated time when installing rainscreen wall cladding systems.	6.1	Demonstrate completion of the work within the allocated time.
		6.2	Describe the purpose of the work programme and explain why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
7	Comply with the given contract information to install rainscreen wall cladding systems to the required specification.	7.1	Demonstrate the following work skills when installing rainscreen wall cladding systems: <ul style="list-style-type: none"> – measuring, marking out, setting out, adjusting, aligning, fitting, positioning and securing.
		7.2	Use and maintain hand tools, portable power tools, levelling instruments and ancillary equipment.
		7.3	Install rainscreen wall cladding to given working instructions.
		7.4	Describe how to apply safe and healthy work practices, follow procedures, report problems and establish the authority needed to rectify them, to: <ul style="list-style-type: none"> – identify installation quality requirements – conform to agreed specification – confirm manufacturers' installation criteria – ensure currency of calibration for levelling equipment – assess suitability of background materials – identify, recognise and work to gridlines and datum marks

Title:	Installing rainscreen wall cladding systems in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
7 Continued	7.4 cont	<ul style="list-style-type: none"> – identify the types and characteristics of current rainscreen cladding materials, including, metal, clay, ceramic and laminate – form internal and external angles – form opening reveals – install rainscreen wall cladding systems. – position and install panel hangers, drips, cover strips, fixings and fittings – maintain the integrity of surfaces – fit components around protrusions and penetrations – position and secure flashings and vents – check quality and suitability of work on completion and at the end of each working period – recognise and determine when additional specialist skills and knowledge are required and report accordingly – work from mobile elevating work platforms – work with, around and in close proximity to plant and machinery – use hand tools, portable power tools and equipment – work at height – use access equipment
	7.5	Describe the needs of other occupations and how to effectively communicate within a team when installing rainscreen wall cladding systems.
	7.6	Describe how and when to maintain the tools and equipment used when installing rainscreen wall cladding systems.

Title:	Installing rainscreen wall cladding systems in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills' Consolidated Assessment Strategy for Construction and the Built Environment.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Area	05.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	83

Title:	Preparing and operating ergonomic manipulating machines to lift and transfer loads in the workplace
Unit Number:	A/508/6489
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
1 Interpret the given information relating to the preparation and use of ergonomic manipulating machines to lift, transfer and place loads.	1.1 Interpret and extract relevant information from drawings, specifications, schedules, method statements, lift plans, risk assessments and manufacturers' information.
	1.2 Comply with information and/or instructions derived from risk assessments and method statements.
	1.3 Describe the organisational procedures developed to report and rectify inappropriate information and unsuitable resources and how they are implemented.
	1.4 Describe different types of information, their source and how they are interpreted in relation to: <ul style="list-style-type: none"> – drawings, specifications, schedules, method statements, risk assessments, manufacturers' information and current regulations governing the operation of ergonomic manipulating machines to lift and transfer loads.
2 Organise with others the sequence and operation in which lifting operations using ergonomic manipulating machines are to be carried out.	2.1 Organise the work according to given information or instructions.
	2.2 Describe how to communicate ideas between team members.
	2.3 Organise and communicate with team members and other associated occupations.
	2.4 Describe how to organise resources prior to and during lifting operations with ergonomic manipulating machines.
3 Know how to comply with relevant legislation and official guidance when lifting and transferring loads using ergonomic manipulating machines.	3.1 Describe their responsibilities regarding potential accidents, health hazards and the environment whilst working: <ul style="list-style-type: none"> – in the workplace, below ground level, in confined spaces, at height, with tools and equipment, with materials and substances, with movement/storage of materials and by manual handling and mechanical lifting.
	3.2 Describe the organisational security procedures for tools, equipment and personal belongings in relation to site, workplace, company and operative.
	3.3 Explain what the accident reporting procedures are and who is responsible for making reports.

Title:	Preparing and operating ergonomic manipulating machines to lift and transfer loads in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
4 Maintain safe and healthy working practices when preparing for and carrying out lifting operations using ergonomic manipulating machines.	4.1 Use health and safety control equipment safely and comply with the methods of work to carry out the activity in accordance with current legislation and organisational requirements during lifting operations.	
	4.2 Demonstrate compliance with given information and relevant legislation when carrying out lifting operations using ergonomic manipulating machines in relation to two or more of the following: <ul style="list-style-type: none"> – safe use and storage of plant or machinery – safe use and storage of tools and equipment – safe use and storage of lifting accessories – specific risks to health. 	
	4.3 Explain why and when health and safety control equipment, identified by the principles of protection, should be used, relating to ergonomic manipulating machine use, and the types, purpose and limitations of each type, the work situation and general work environment, in relation to: <ul style="list-style-type: none"> – collective protective measures – personal protective equipment (PPE) – respiratory protective equipment (RPE) – local exhaust ventilation (LEV). 	
	4.4 Describe how the relevant health and safety control equipment should be used in accordance with the given working instructions.	
	4.5 Describe how emergencies should be responded to in accordance with organisational authorisation and personal skills when involved with fires, spillages, injuries and other task-related activities.	
5 Request and select the required quantity and quality of resources to prepare for and carry out lifting operations using ergonomic manipulating machines.	5.1 Request and select resources associated with ergonomic manipulating machines in relation to consumables, materials, tools, ancillary equipment and/or accessories.	
	5.2 Describe the characteristics, quality, uses, sustainability, limitations and defects associated with the resources, and how they should be used correctly, relating to: <ul style="list-style-type: none"> – consumables, lubricants and fuels – attachments and lifting accessories – hand tools, ancillary equipment and accessories. 	
	5.3 Describe how the resources should be used correctly and how problems associated with the resources are reported.	

Title:	Preparing and operating ergonomic manipulating machines to lift and transfer loads in the workplace	
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>	
5 Continued	5.4	Explain why the organisational procedures have been developed and how they are used for the selection of required resources.
	5.5	Describe any potential hazards associated with the resources and methods of work.
	5.6	Describe how to identify weight, quantity, length and area associated with the method/procedures to carry out lifting operations with ergonomic manipulating machines.
6 Minimise the risk of damage to the work and surrounding area when preparing to and lifting and transferring loads.	6.1	Protect the work and its surrounding area from damage in accordance with safe working practices and organisational procedures.
	6.2	Prevent damage and maintain a clean work space.
	6.3	Dispose of waste in accordance with current legislation.
	6.4	Describe how to protect work from damage and the purpose of protection in relation to general workplace activities, other occupations and adverse weather conditions.
	6.5	Explain why the disposal of waste should be carried out safely in accordance with environmental responsibilities, organisational procedures, manufacturers' information, statutory regulations and official guidance.
7 Complete the work within the allocated time when preparing to and lifting and transferring loads.	7.1	Demonstrate completion of the work within the allocated time.
	7.2	Describe the purpose of the work programme and describe why deadlines should be kept in relation to: <ul style="list-style-type: none"> – types of progress charts, timetables and estimated times – organisational procedures for reporting circumstances which will affect the work programme.
8 Comply with the given contract information to lift, transfer and place loads using ergonomic manipulating machines to the required specification.	8.1	Demonstrate the following work skills when preparing for, lifting, transferring and placing loads using ergonomic manipulating machines: <ul style="list-style-type: none"> – checking, adjusting, communicating, operating, manoeuvring, positioning, lifting, transferring and setting down.
	8.2	Use and maintain hand tools, ancillary equipment and/or accessories.

Title:	Preparing and operating ergonomic manipulating machines to lift and transfer loads in the workplace
Learning outcomes <i>The learner will be able to:</i>	Assessment criteria <i>The learner can:</i>
8 Continued	8.3 Prepare, set up and operate ergonomic manipulating machines to lift, transfer and place a variety of loads to given working instructions.
	8.4 Shut down and secure ergonomic manipulating machines.
	8.5 Describe how to apply safe and healthy work practices, follow procedures, report problems and establish authority needed to rectify, to: <ul style="list-style-type: none"> – identify the characteristics of the ergonomic manipulating machine for the lifting and transferring operation – identify valid certification for maintenance, inspection and thorough examination – lift and transfer people – carry out function checks for lifting and transferring loads – prepare, set up and reconfigure for various loads and locations – carry out pre-operational checks for obstructions, stability, safety and security of the work and surrounding area – identify characteristics, type, weight and position of loads for lifting and transferring – recognise and determine when specific skills and knowledge are required and report accordingly – secure and balance loads for lifting – lift, remove and transfer loads – position, place and set down loads – confirm load stability, security and release – attach and remove guide ropes and aids – be on the public highway – shut down and secure the ergonomic manipulating machine – use hand tools and ancillary equipment – use, handle and store lifting accessories.
	8.6 Describe the needs of other occupations and how to effectively communicate within a team when preparing for and lifting and transferring loads.
8.7 Describe how to maintain the plant and machinery, hand tools, ancillary equipment and accessories used to lift and transfer loads.	

Title:	Preparing and operating ergonomic manipulating machines to lift and transfer loads in the workplace
Additional information about this unit	
Assessment Guidance	<p>This unit must be assessed in a work environment, in accordance with the ConstructionSkills 'Consolidated Assessment Strategy for Construction and the Built Environment'.</p> <p>Assessors for this unit must have verifiable, current industry experience and a sufficient depth of relevant occupational expertise and knowledge, and must use a combination of assessment methods as defined in the Consolidated Assessment Strategy.</p> <p>Workplace evidence of skills cannot be simulated.</p>
Sector Subject Areas	5.2 Building and Construction
Availability for use	Shared unit
Unit guided learning hours	37



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